Symbol	Description
0	Respondents may choose one answer from the list of answer choices with this symbol.
\Leftrightarrow	A dropdown list of answer choices and ask people to choose one answer. This is used to save space for questions with a long list of options.
	Respondents may choose multiple answers from the list of answer choices with this symbol.
\Rightarrow	In this document this symbol is used to denote page and question logic.
	Open text response answer boxes.
*	Used to denote questions that are required to be answered by the respondent for progression to the next page.

	Page 1		
Q1.	Consent Form		
*	The purpose of this research project is to improve cycli project funded by the Road Safety Authority (RSA), bein participate in this research project because you are a crowline voluntary, so you may choose not to participate. The papproximately 10 to 20 minutes. Your responses will be further information you may provide your email address to will be recorded during in the survey. All data is stored protect your confidentiality, the surveys will not contain you have any questions about the research study, please been reviewed for Ethical Approval from the Trinity Contains.	Ing conducted by Trinity College Dublin. You are invited to yelist. Your participation in this research study is rocedure involves filling an online survey that will take to confidential, if you would like to be contacted to provide as when prompted. If you would like to be entered in the to be contacted. Neither your name, nor your IP address in a password protected electronic format. To help in any required fields that will personally identify you. If see contact cyclistsurvey@gmail.com. This research has lilege Dublin Faculty of Health Science Ethics Committee.	
	ELECTRONIC CONSENT: Please select your choice below.		
	Clicking on the "agree" button below indicates that:		
	 you have read the above information you voluntarily agree to participate you are at least 18 years of age 		
	If you do not wish to participate in the research study, button.	please decline participation by clicking on the "disagree"	
A1.	O _{Agree}	⇒ _{Page 2}	
	O _{Disagree}	⇒ Disqualified	
	Page	2	

	Page 2			
Q1.	How did you come across this survey?			
A1.	Outdoor Revolution Show			
	An information leaflet/card			
	Email from employer – Other			
	OTriathlon Ireland Newsletter/Website			
	Email from Trinity College Dublin			
	Email from Mary Immaculate College			
	Social Media			
	OAIB Intranet / Email from AIB			
	Cycling Ireland Newsletter/Website			
	Irish cycling Advocacy network Newsletter/Website			
	Email from Athlone Institute of Technology			
	Please specify			
Q2.	Have you been in a cycling collision on a road in the Re	public of Ireland since January 1st 2013?		
*				
	A collision is defined as an unintentional contact between the cyclist and his/her bicycle with another vehicle,			
	person or animal or objects such as the road, a wall, a lamppost etc.			
A2.	O _{Yes}	⇒ Page 5		
	O _{No}	⇒ Page 3		

Page 3		
Q1.	Have you ridden a bicycle on a public road in the last 1	2 months?
*		
A1.	O _{Yes}	⇒ _{Page 4}
	O _{No}	Disqualified

		Page 4	
Q1.	Have you been involved in a	any of these 'near miss' incidents in the past 6 months? If so, how scary were they?	
	Note: A 'near miss' is defined as an incident where no collision occurred, but there was a danger of one occurring		
	 Pedestrian stepping out into your path A pothole or road debris in your path A left-turning vehicle driving across your path 		
		out of a driveway or entering at a junction across your path	
	-	rning into your path g the Advanced Stop Line at traffic lights intended for only cyclists	
		ur path to enter a bus stop in a shared bicycle and bus lane	
		ked vehicle in your path stopped or parked vehicle opening a door in your path	
	10. A car passing you	too closely	
	11. A van passing you12. A bus passing you		
	13. A goods vehicle p		
	14. A cyclist passing y15. Bicycle wheel cau		
	16. Bicycle wheel slid	-	
	17. Bicycle wheel slip		
A1.	18. Bicycle wheel slip	ping on road markings a) Yes	
	Yes/No	a) Yes b) No	
	^	a) Not at all scary	
	→ How scary was it?	b) Slightly scary	
	011 (1 11)	c) Very scary	
Q2.	Other (please specify) How long have you been rid	ding bicycles on public roads?	
A2.	Thom long have you been he	a) Less than 1 year	
		b) 1 - 2 years	
	$ \Leftrightarrow$	c) 3 - 4 years d) 5 - 10 years	
		e) 10 - 20 years	
Q3.	Approximately how many	f) 20+ years trips by bicycle do you take in an average week for commuting, work, or social	
QJ.	purposes?	inpos by bicycle do you take in an average week for commuting, work, or social	
	1. Commuting to wo		
	 Commuting to sch Work purposes 	nool/college	
	4. Social		
	5. Utility purposes e	· '' ·	
	6. Dropping a child t	o school/creche	
A3.	Weekdays	1 to 50	
	→Weekends		
		a) Less than 10 mins b) 10 - 20 mins	
		c) 20 - 30 mins	
		d) 30 - 40 mins	
	\Leftrightarrow	e) 40 - 50 mins f) 50 mins - 1 hrs	
	How long does an average trip take?	g) 1 hrs - 1 hrs 10 mins	
	0	h) 1 hrs 10 mins - 1 hrs 20 mins	
		i) 1 hrs 20 mins - 1 hrs 30 mins j) 1 hrs 30 mins - 1 hrs 40 mins	
		k) 1 hrs 40 mins - 1 hrs 50 mins	
1		l) 1 hrs 50 mins - 2 hrs	

	T	
		m) 2 hrs - 2 hrs 10 mins
		n) 2 hrs 10 mins - 2 hrs 20 mins
		o) 2 hrs 20 mins - 2 hrs 30 mins
		p) 2 hrs 30 mins - 2 hrs 40 mins
		q) 2 hrs 40 mins - 2 hrs 50 mins
		r) 2 hrs 50 mins - 3 hrs
		s) Greater than 3 hrs
Q4.		y trips by bicycle do you take in an average week for commuting, work, or social
	purposes?	
	1. Leisure	
	2. Racing	
A4.	Weekdays	
		1 to 50
	Weekends	
		t) Less than 10 mins
		u) 10 - 20 mins
		v) 20 - 30 mins
		w) 30 - 40 mins
		x) 40 - 50 mins
		y) 50 mins - 1 hrs
		z) 1 hrs - 1 hrs 10 mins
		aa) 1 hrs 10 mins - 1 hrs 20 mins
	\Rightarrow	bb) 1 hrs 20 mins - 1 hrs 30 mins
	How long does an	cc) 1 hrs 30 mins - 1 hrs 40 mins
	average trip take?	dd) 1 hrs 40 mins - 1 hrs 50 mins
		ee) 1 hrs 50 mins - 2 hrs
		ff) 2 hrs - 2 hrs 10 mins
		gg) 2 hrs 10 mins - 2 hrs 20 mins
		hh) 2 hrs 20 mins - 2 hrs 30 mins
		ii) 2 hrs 30 mins - 2 hrs 40 mins
		jj) 2 hrs 40 mins - 2 hrs 50 mins
		kk) 2 hrs 50 mins - 3 hrs
		II) Greater than 3 hrs
Q5.	In what county do you do	most of your cycling?
A5.		a) Antrim
		b) Armagh
		c) Carlow
		d) Cavan
		e) Clare
		f) Cork
		g) Donegal
		h) Down
		i) Dublin
		j) Fermanagh
		k) Galway
		l) Kerry
		m) Kildare
	\Diamond	n) Kilkenny
	\	o) Laois
		p) Leitrim
		q) Limerick
		r) Londonderry
		s) Longford
		t) Louth
		u) Mayo
		v) Meath
		w) Monaghan
		x) Offaly
		y) Roscommon
		z) Sligo
		aa) Tipperary
		bb) Tyrone

	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		cc) Waterford
		dd) Westmeath
		ee) Wexford
00	Harriston if at all are that	ff) Wicklow
Q6.		following checked on your bicycle (either by you or someone else)?
	 Check tire pressur Check if brake page 	e. ds are worn and need replacement.
		nake sure they're grabbing the rim of the wheel.
	4. Spin wheels to che	
		for loose/missing spokes.
	6. Full service/maint	
A6.	0	a) Before every journey
1.0.		b) At least once a week
		c) At least once every 2 weeks
		d) At least once a month
	\Rightarrow	e) At least once every 3 months
	Ť	f) At least once every 6 months
		g) At least once a year
		h) Less often
		i) Never
Q7.	When getting a full service of	of your bicycle do you usually?
A7.	\Diamond	a) Carry this out yourself?
	\vee	b) Have it serviced by a mechanic?
		Other (please specify)
Q8.	When riding, how often do	you
	 Wear a helmet. 	
	Wear a high visibi	, ,
		escent strips/patches on your clothing.
	4. Wear a helmet mo	
	5. Use a front bicycle light.	
_	6. Use a rear bicycle	
A8.	\Leftrightarrow	a) Never
	In the daylight	b) Hardly ever
	_	c) Occasionally
		d) Frequently e) All the time
Q9.		e) All the time
QJ.	Would you agree or disagre	e that the following factors of cycling are appealing?
	The physical healt	h hanafits
	2. The mental health	
	3. The environmenta	
	4. The reduction in t	
	5. The low-cost natu	
A9.		a) Strongly Agree
		b) Agree
	♦ Agree/Disagree	c) Neither Agree nor Disagree
	Agree/ Disagree	d) Disagree
		e) Strongly Disagree
Q10.	Would you agree or disagre	e that the following factors of cycling are unappealing or discouraging?
	 Safety concerns 	
	Sharing space with	n pedestrians
	Sharing space with	n other cyclists
	4. Sharing space with	n cars
	Sharing space with	n vans
	6. Sharing space with	n buses
	7. Sharing space with	n taxis
	0	
	8. Sharing space with	n goods venicies
	8. Sharing space with9. The weather	
	8. Sharing space with 9. The weather 10. Lack of secure spa	
	8. Sharing space with9. The weather	ices to lock bicycle

A10.		a) Strongly Agree
		b) Agree
	★ Agree/Disagree	c) Neither Agree nor Disagree
		d) Disagree
011	Do you also own and drive a	e) Strongly Disagree
Q11. A11.	O Yes	a motorized verificie:
AII.		
	O NO	hans and the many and the many and the hand at 12 many the control of the many and according to
		s have you driven on the roads in the last 12 months? If you're not sure please
	estimate.	
Q12.	Bicycle helmet fitting	
		tight/snug your helmet should be on your head?
		ere on your head the Y-straps should be if you helmet is fitted correctly?
		r far forwards/backwards your helmet should be for it to be most effective?
A12.	♦ Yes/No	a) Yes
Q13.	What is your sex?	b) No
A13.	Male	
A13.	Female	
014		
Q14. A14.	What age are you?	
Q15.	Have you engaged in any of	the following while riding a bicycle in the last 12 months? (Please be assured your
QIS.	response is confidential)	the following while fiding a bicycle in the last 12 months: (Flease be assured your
		easonable consideration (reckless cycling)
		ear light lit while riding in the dark.
		trianized street or area, during the period indicated on the information plate.
	4. Breaking a red ligi	ht.
		a School Warden sign.
	6. Breaking a railway	v level crossing, swing bridge or lifting bridge, when the red lights are flashing.
A15.	♦ Yes/No	a) Yes
	^	b) No
	of If so, were you	a) Yes
	caught by the Gardaí?	b) No
		If you have engaged in any of them, was there a reason?
Q16.	Alcohol (Please be assured	your response is confidential)
	In the last 12 menths have	you ridden a bicycle after consuming ANY alcoholic drink?
A16.	III the last 12 months have	a) No
710.		b) Less than 1 drink
		c) 1 drink
		d) 2 drinks
	No/Yes (how much?)	e) 3 drinks
		f) 4 drinks
		g) 5 drinks
		h) 6 or more drinks i) Don't know
Q17.	Have you ever been asked t	o take an alcohol test while cycling?
A17.	O _{Yes}	
	O No	
Q18.		disagree with the following statements?
		cycle if you ride carefully.
		t friends would ride a bicycle after having a drink.
		g a bicycle substantially increases the risk of a collision.
A18.		a) Strongly Agree
		b) Agree
	→ Agree/Disagree	c) Neither Agree nor Disagree
		d) Disagree
⇒ _{Page}	. 12	e) Strongly Disagree
, rage	: 1J	

Page 5		
If you have been in more than one collision in the specified period, please enter details on your most recent collision.		
Q1.	Are you willing to be below.	e contacted to help clarify details of your collision? If yes, please enter your email address
A1.	Email address:	
Q2.	When did your collis	sion occur?
A2.	Weekday (Monday - Friday)	
	O Weekend (Satu	
Q3.	In what year did the	
АЗ.	,	a) 2018
		b) 2017
		c) 2018
		d) 2015
		e) 2014
		f) 2013
Q4.	In what month did t	
A4.		a) January
		b) February
		c) March
		d) April e) May
		f) June
	$ \Leftrightarrow$	g) July
		h) August
		i) September
		j) October
		k) November
		I) December
Q5.	On what day did the	collision occur?
A5.		a) Monday
		b) Tuesday
		c) Wednesday
	$ \Leftrightarrow$	d) Thursday
		e) Friday f) Saturday
		f) Saturday g) Sunday
Q6.	At what approximat	re time did the collision occur?
A6.	7tt What approximat	a) 00:00 - 01:00
1.0.		b) 01:00 - 02:00
		c) 02:00 - 03:00
		d) 03:00 - 04:00
		e) 04:00 - 05:00
		f) 05:00 - 06:00
		g) 06:00 - 07:00
		h) 07:00 - 08:00
		i) 08:00 - 09:00
		j) 09:00 - 10:00
	\Rightarrow	k) 10:00 - 11:00
		l) 11:00 - 12:00 m) 13:00 13:00
		m) 12:00 - 13:00 n) 13:00 - 14:00
		n) 13:00 - 14:00 o) 14:00 - 15:00
		p) 15:00 - 16:00
		q) 16:00 - 17:00
		r) 17:00 - 18:00
		s) 18:00 - 19:00
		t) 19:00 - 20:00
		u) 20:00 - 21:00
		v) 21:00 - 22:00
		w) 22:00 - 23:00

		x) 23:00 - 00:00
Q7.	In what county did t	the collision occur?
A7.		a) Antrim
		b) Armagh
		c) Carlow
		d) Cavan
		e) Clare
		f) Cork
		g) Donegal
		h) Down
		i) Dublin
		j) Fermanagh
		k) Galway
		l) Kerry
		m) Kildare
		n) Kilkenny
		o) Laois
	\Leftrightarrow	p) Leitrim
	•	q) Limerick
		r) Londonderry
		s) Longford
		t) Louth
		u) Mayo
		v) Meath
		w) Monaghan x) Offaly
		x) Offaly y) Roscommon
		z) Sligo
		aa) Tipperary
		bb) Tyrone
		cc) Waterford
		dd) Westmeath
		ee) Wexford
		ff) Wicklow
Q8.	Please enter the ad	dress and description of the location where the collision occurred. (including
	town/city/area, and	
A8.		
Q9.	Do you consider it t	o have occurred on an urban/town road or a rural road?
A9.	O _{Urban}	
	O _{Rural}	
Q10.	What was the speed	d limit on the road?
A10.	Ounknown	
	O _{30 km/h}	
	O _{50 km/h}	
	O SU KM/N	
	O _{60 km/h}	
	O _{80 km/h}	
	O _{100 km/h}	
	O _{120 km/h}	
Q11.	What type of road o	did the collision occur on?
A11.	One-way	
	O _{Two-way}	
	Opusi Carris	N.
	O _{Dual} Carriagewa	у
	Greenway	
	Housing Estate	
	O _{Private road}	
	O _{Cyclist-Pedestria}	in mixed area
	O _{Footpath} /Pedes	trianized zone
	Please specify	
1	riease specify ——	

Q12.	Please describe the road configuration at the location where the collision took place. (select multiple if
	required)
A12.	Straight road
	Bending road
	Sharp turns
	T-junction
	Crossroads
	Roundabout
	Y-junction
	Uphill
	Hillcrest
	Downhill
	Flat road
	Others (please specify them)
Q13.	What kind of cycling facility was available?
A13.	Ono dedicated cycling facility
	Opedicated cycle lane
	Combined cycle & bus lane
	Ocontraflow cycle lane
	Osegregated cycle lane
	Other (please specify)
Q14.	If available were you using the cycling facility?
A14.	O _{Yes}
	O_{N_0}
	Please specify why/why not
Q15.	What were the weather conditions like? (select multiple if required)
A15.	□ Dry
	☐ Wet
	Frost/ice
	Snow
	Fog/mist
	High winds
	Other (please specify)
Q16.	What were the light conditions at the time of the collision?
A16.	Opaylight, good visibility
	Opaylight, poor visibility
	O_{Dusk}
	Opark, road well-lit by street lighting
	Opark, road poorly-lit by street lighting
	O _{Dark} , no street lighting
	Other (please specify)
Q17.	What were the road conditions like? (select multiple if required)
A17.	$\bigsqcup_{Dry} Dry$
	│
	Frost/ice
	Snow
	Oil
	Gravel
	Other (please specify)
Q18.	How was the traffic?
A18.	O _{None}
	OLight
	O _{Moderate}

	O _{Heavy}		
Q19.	What was the purpose of your trip?		
A19.	·	a) Leisure	
		b) Commuting to work	
	\Leftrightarrow	c) Commuting to school/college	
		d) Social	
		e) Racing	
		f) Work purposes	
	Please specify		
Q20.	What type of bi	cycle were you using?	
A20.		a) Hybrid bicycle	
		b) Dutch bicycle	
		c) City bicycle scheme bicycle	
		d) Road bicycle	
		e) TT bicycle	
	$ \Leftrightarrow$	f) Single speed bicycle (with freewheel)	
		g) Fixed gear (no freewheel)	
		h) Rickshaw	
		i) Mountain bicycle	
		j) Tandem bicycle	
		k) Cargo bicycle	
	Make & model?		
Q21.		ist or were you a passenger on the bicycle?	
A21.	Cyclist		
	O _{Passenger}		
Q22.		ar with the location where the collision occurred?	
A22.	O_{Yes}		
	O _{No}		
Q23.		speed were you travelling at?	
A23.		a) Stationary	
		b) 0-10 km/h	
		c) 10-20 km/h	
		d) 20-30 km/h	
	$ \Leftrightarrow$	e) 30-40 km/h	
		f) 40-50 km/h	
		g) 50-60 km/h	
		h) 60-70 km/h i) 70-80 km/h	
Q24.	Were you weari	,	
A24.	O _{Yes}	ing a nemet:	
	O _{No}		
Q25.		ing any high visibility clothing?	
A25.	Vest Vest	ing any men visionity clothing:	
	Jacket		
	T-shirt		
	Trousers/sh	orts	
	Armband		
	Drawstring I	bag	
	Rucksack co	ver	
	∟ Belt		
	Helmet mou	unted light	
	High visibilit		
	None	,	
Q26.	Were you using	bicycle lights?	
A26.	O _{None}		
	OFront		
	O _{Rear}		
	O _{Both front ar}	nd roar	
1	 Dorn nout at 	liu i cai	

Q27.	Were you using earphones?		
A27.	O_{Yes}		
	\bigcirc_{No}		
Q28.	Were you using a	mobile phone?	
A28.	O _{No}	·	
	O _{In-hand}		
	O _{to ear}		
Q29.		the influence of alcohol at the time? (please be assured that your response is confidential)	
A29.	O _{Yes}		
	O _{No}		
Q30.		ing up to the collision (select all options that apply to you)	
A30.	Mounting	ing up to the consion (select un options that upply to you)	
	Dismounting		
		المعا	
	Cycling forwa	ira	
	Braking		
	Accelerating		
		ing driveway/entrance	
	Attempting to	o overtake	
	Turning right		
	Turning left		
	Changing land		
	Taking avoida	ance action	
	Cycled through	gh stop/yield	
	Cycling again	st the flow of traffic	
	Went to wro	ng side of road	
	\bigsqcup Improper ove	ertaking	
	Cycled through	gh traffic signal	
	Failed to sign	al	
	Lost control of	of bicycle	
	Crossing luas		
		dark with no illumination	
	Cycling on the		
	Other (please spe		
Q31.	Reporting to the	• •	
Q31.		Gardaí attend the scene?	
		did you subsequently report the collision to the Gardaí?	
A31.	\Diamond	a) Yes	
		b) No	
Q32.	What is your sex		
A32.	Male		
	O _{Female}		
Q33.	What age are you	u?	
A33.			
Q34.	What height are		
A34.		a) 4' 0" (122cm)	
		b) 4' 1" (124cm) c) 4' 2" (127cm)	
		c) 4' 2" (127cm) d) 4' 3" (130cm)	
		e) 4' 4" (132cm)	
		f) 4'5" (135cm)	
		g) 4' 6" (137cm)	
		h) 4' 7" (140cm)	
		i) 4' 8" (142cm)	
		j) 4' 9" (145cm)	
		k) 4' 10'' (147cm) l) 4' 11'' (150cm)	
ì	ı l	l) 4' 11" (150cm)	

) 51011/452	
		m) 5'0" (152cm)	
		n) 5' 1'' (155cm)	
		o) 5' 2'' (157cm)	
		p) 5' 3'' (160cm)	
		q) 5' 4'' (163cm)	
		r) 5' 5'' (165cm)	
		s) 5' 6'' (168cm)	
		t) 5' 7'' (170cm)	
		u) 5'8" (173cm)	
		v) 5' 9" (175cm)	
		x) 5' 11" (180cm)	
		y) 6' 0'' (183cm)	
		z) 6' 1'' (185cm)	
		aa) 6' 2'' (188cm)	
		bb) 6' 3'' (190cm)	
		cc) 6' 4'' (193cm)	
		dd) 6' 5'' (196cm)	
		ee) 6' 6'' (198cm)	
		ff) 6' 7'' (201cm)	
		gg) 6' 8'' (203cm)	
Q35.	What approxim	ate weight were you?	
A35.		a) 8st Olb (51kg)	
		b) 8st 5lb (53kg)	
		c) 8st 10lb (55kg)	
		d) 9st 0lb (57kg)	
		e) 9st 4lb (59kg)	
		f) 9st 9lb (61kg)	
		= -	
		h) 10st 3lb (65kg)	
		i) 10st 8lb (67kg)	
		j) 10st 12lb (69kg)	
		k) 11st 2lb (71kg)	
		l) 11st 7lb (73kg)	
	\Diamond	m) 11st 11lb (75kg)	
	*	n) 12st 2lb (77kg)	
		o) 12st 6lb (79kg)	
		p) 12st 11lb (81kg)	
		q) 13st 1lb (83kg)	
		r) 13st 5lb (85kg)	
		s) 13st 10lb (87kg)	
		t) 14st 0lb (89kg)	
		u) 14st 5lb (91kg)	
		v) 14st 9lb (93kg)	
		w) 14st 13lb (95kg)	
		x) 15st 4lb (97kg)	
		y) 15st 8lb (99kg)	
		z) 15st 13lb (101kg)	
Q36. *	Which of these	scenarios describe the vehicles/roa	d users involved in your collision?
A36.	O _{Single Cyclist}	t Collision	⇒ _{Page 6}
	O _{Cyclist - Ped}		⇒ Page 7
	O _{Cyclist} – Cyc		⇒ Page 8
	\sim	orized Vehicle	⇒ Page 9
	- Cyclist - IVIUL	OHECA VEHICLE	i age 3

	Page 6
Q1.	Did you collide or interact with any of the following? (select more than one if required)
A1.	Bollard
	Traffic island

	Pothole					
	Drain					
	Manhole	Manhole				
	Parked car					
	Parked truck					
	Parked trailer/skip					
	Pole					
	Tree					
	Animal					
	Wall/gate					
	Ditch					
	Tram lines (luas)					
	Road works railings/cones					
	Speed bumps					
	□ Kerb					
	Road markings					
	Other (please specify)					
Q2.	Please give a description of the collision, and the lead u	up to it.				
A2.						
Q3.	Who/what do you believe was a cause of this collision? (select more than one if required)					
A3.	∐ You					
	Road Object					
	Road feature					
	Lack of adequate Infrastructure					
	Weather conditions					
	Road surface conditions	Road surface conditions				
	Bicycle mechanical factor					
	Please specify Please specify					
Q4.	Were you injured?					
*						
A4.	O _{Yes}					
	O_{No}	⇒ Page 11				

		Page 7		
Q1.	What sex was the pedestrian?			
A1.	O _{Male} O _{Female}			
Q2.	What approxir	nate age were they?		
A2.	⇔	a) 0 - 4 years old b) 5 - 9 years old c) 10 - 14 years old d) 15 - 19 years old e) 20 - 24 years old f) 25 - 29 years old g) 30 - 34 years old h) 35 - 39 years old i) 40 - 44 years old j) 45 - 49 years old k) 50 - 54 years old l) 55 - 59 years old m) 60 - 64 years old n) 65 - 69 years old o) 70 - 74 years old p) 75 - 79 years old		

		q) 80 - 84 years old		
		r) 85 - 89 years old		
		s) 90 - 94 years old		
		t) 95 - 99 years old		
Q3.	What approximate height were they?			
А3.		a) Unknown		
		b) 2' 6" (76cm) to 2' 11" (89cm)		
		c) 3' 0" (91cm) to 3' 5" (104cm)		
		d) 3' 6" (107cm) to 3' 11" (119cm)		
	\Leftrightarrow	e) 4' 0'' (122cm) to 4' 5'' (135cm) f) 4' 6'' (137cm) to 4' 11'' (150cm)		
		g) 5' 0" (152cm) to 5' 5" (165cm)		
		h) 5' 6" (168cm) to 5' 11" (180cm)		
		i) 6' 0" (183cm) to 6' 5" (196cm)		
		j) 6' 6" (198cm) to 6' 11" (211cm)		
		k) 7' 0" (213cm) or more		
Q4.	What approxi	mate weight were they?		
A4.		a) Unknown		
		b) Less than 6 stone (38kg)		
		c) 6 stone (38kg) to 7 stone (44kg)		
		d) 7 stone (44kg) to 8 stone (51kg)		
		e) 8 stone (51kg) to 9 stone (57kg)		
	\Leftrightarrow	f) 9 stone (57kg) to 10 stone (64kg)		
	~	g) 10 stone (64kg) to 11 stone (70kg)		
		h) 11 stone (70kg) to 12 stone (76kg)		
		i) 12 stone (76kg) to 13 stone (83kg)		
		j) 13 stone (83kg) to 14 stone (89kg)		
		k) 15 stone (89kg) to 16 stone (102kg)		
05	Mora thay wa	I) 16 stone (102kg) or more earing any high visibility clothing? (Select more than one if required)		
Q5. A5.		anng any nigh visibility clothing: (Select more than one in required)		
AJ.	Vest			
	H Jacket			
	☐ T-shirt			
	Trousers/s	Trousers/shorts		
	Armband	Armband		
	Drawstring	rawstring bag		
	Rucksack o	Rucksack cover		
	Belt			
	None			
06.	None Were they fan	niliar with the location where the collision occurred?		
Q6.	Were they fan	miliar with the location where the collision occurred?		
Q6. A6.	Were they fan	miliar with the location where the collision occurred?		
	Were they fan			
A6.	Were they fan O Yes O No O Unknown			
A6.	Were they fan O Yes O No O Unknown	vere they travelling at?		
A6.	Were they fan Yes No Unknown What speed w	vere they travelling at? a) Stationary		
A6.	Were they fan O Yes O No O Unknown	vere they travelling at? a) Stationary b) Walking		
A6.	Were they fan Yes No Unknown What speed w	vere they travelling at? a) Stationary b) Walking c) Jogging		
Q7. A7.	Were they fan O Yes O No O Unknown What speed w	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running		
Q7. A7.	Were they fan Yes No Unknown What speed w	vere they travelling at? a) Stationary b) Walking c) Jogging		
Q7. A7.	Were they fan Yes No Unknown What speed w Were they usi Yes	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running		
Q7. A7.	Were they fan Yes No Unknown What speed w Were they usi Yes No	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan O Yes O No O Unknown What speed w Were they usi O Yes O No O Unknown	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi No No No	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi Ores No Unknown Were they usi Ores In-hand	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi No Oln-hand To ear	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi No Oln-hand To ear	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi Ono In-hand To ear Ounknown	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		
Q7. A7. Q8. A8.	Were they fan Yes No Unknown What speed w Were they usi Yes No Unknown Were they usi Ono In-hand To ear Ounknown	vere they travelling at? a) Stationary b) Walking c) Jogging d) Running ing earphones?		

	O _{No}			
	Ounknown			
Q11.	Pedestrian actions leading up to the collision (select more than one if required)			
A11.	Crossing the road masked by parked/stationary vehicles			
	Crossing the road at a crossing with the green man showing			
	Crossing the road at a crossing with the red man showing			
	crossing the road at a zebra crossing			
	Walking against traffic			
	Playing in roadway			
	Walking in the dark with no illumination			
	Walking on a cycle lane			
	Walking on the footpath			
	Other (please specify)			
Q12.	Please give a description of the collision, and the lead up to it.			
A12.				
Q13.	Who/what do you believe was a cause of this collision? (select more than one if required)			
A13.	□You			
	Pedestrian			
	Road Object			
	Road feature			
	Lack of adequate Infrastructure			
	Weather conditions			
	Road surface conditions			
	Bicycle mechanical factor			
	Please specify			
Q14.	Were you injured?			
*				
A14.	\bigcirc_{Yes} $\Rightarrow_{Page 10}$			
	O _{No} ⇒ Page 11			

		Page 8				
Q1.	What sex was the other cyclist?					
A1.	O _{Male}					
	O _{Female}					
Q2.	What approximate age were they?					
A2.	What approxi	u) 0 - 4 years old				
72.		v) 5 - 9 years old				
		w) 10 - 14 years old				
		x) 15 - 19 years old				
		y) 20 - 24 years old				
		z) 25 - 29 years old				
		aa) 30 - 34 years old				
		bb) 35 - 39 years old				
		cc) 40 - 44 years old				
		dd) 45 - 49 years old				
	\rightarrow	ee) 50 - 54 years old				
		ff) 55 - 59 years old				
		gg) 60 - 64 years old				
		hh) 65 - 69 years old				
		ii) 70 - 74 years old				
		jj) 75 - 79 years old				
		kk) 80 - 84 years old				
		ll) 85 - 89 years old				
		mm)90 - 94 years old				
		nn) 95 - 99 years old				

Q3.	What approxi	mate height were they?
A3.	TTTGC GPPT OXII	I) Unknown
۸3.		m) 2' 6" (76cm) to 2' 11" (89cm)
		n) 3' 0" (91cm) to 3' 5" (104cm)
		o) 3' 6" (107cm) to 3' 11" (119cm)
		p) 4' 0'' (122cm) to 4' 5" (135cm)
	\Rightarrow	q) 4' 6'' (137cm) to 4' 11'' (150cm)
	*	r) 5' 0'' (152cm) to 5' 5'' (165cm)
		s) 5' 6'' (168cm) to 5' 11" (180cm)
		t) 6' 0" (183cm) to 6' 5" (196cm)
		u) 6' 6" (198cm) to 6' 11" (211cm)
		v) 7' 0'' (213cm) or more
Q4.	What approxi	mate weight were they?
A4.	1	m) Unknown
		n) Less than 6 stone (38kg)
	ļ	o) 6 stone (38kg) to 7 stone (44kg)
		p) 7 stone (44kg) to 8 stone (51kg)
	ļ	q) 8 stone (51kg) to 9 stone (57kg)
		r) 9 stone (57kg) to 10 stone (64kg)
	$ \Leftrightarrow $	s) 10 stone (64kg) to 11 stone (70kg)
		t) 11 stone (70kg) to 12 stone (76kg)
		u) 12 stone (76kg) to 13 stone (83kg)
		v) 13 stone (83kg) to 14 stone (89kg)
		w) 15 stone (89kg) to 16 stone (102kg)
		x) 16 stone (102kg) or more
Q5.	What type of	bicycle were they using?
A5.	, , , , , , , , , , , , , , , , , , ,	a) Unknown
		b) Hybrid bicycle
		c) Dutch bicycle
		d) City bicycle scheme
		e) Road bicycle
		f) TT bicycle
	\Rightarrow	g) Single speed bicycle (with freewheel)
		h) Fixed gear (no freewheel)
	ļ	i) Rickshaw
	ļ	j) Mountain bicycle
	ļ	k) Tandem bicycle
		I) Cargo bicycle
	Make & mode	
Q6.		ir trip purpose?
A6.	vviiat vvas tilei	
۸٥.		a) Unknown b) Leisure
	1	c) Commuting to work
	\Rightarrow	d) Commuting to work d) Commuting to school/college
	~	e) Social
		f) Racing
		g) Work purposes
1	DI	
<u> </u>	Please specify	
Q7.		niliar with the location where the collision occurred?
A7.	O Yes	
	O _{No}	
	Ounknown	
Q8.	What estimate	e speed were they travelling at?
A8.		a) Stationary
		b) 0-10 km/h
		c) 10-20 km/h
		d) 20-30 km/h
	$ \Leftrightarrow$	e) 30-40 km/h
		f) 40-50 km/h
1		g) 50-60 km/h
1		h) 60-70 km/h
	1	1 7 25 15 1119 11

	i) 70-80 km/h		
Q9.	Were they wearing a helmet?		
A9.	O _{Yes}		
	O_{No}		
	O _{Unknown}		
Q10.	Were they wearing any high visibility clothing? (Select more than one if required)		
A10.	Vest		
	□ Jecket		
	T-shirt		
	Trousers/shorts		
	Armband		
	Drawstring bag		
	Rucksack cover		
	Belt		
	Helmet mounted light		
	High visibility helmet		
	None		
Q11.	Were they using bicycle lights?		
A11.	None		
7	O _{Front}		
	O _{Rear}		
	Both front and rear		
	Ounknown		
Q12.	Were they using earphones?		
A12.	Yes		
A-2-	O No		
	O Unknown		
Q13.	Were they using a mobile phone?		
A13.	O _{No}		
A13.	O _{In-hand}		
	O To car		
	O _{To ear}		
014	Ounknown Do you believe they were under the influence of alcohol at the time?		
Q14. A14.	O Yes		
714.	O No		
Q15.	Other cyclist's actions leading up to the collision (select all options that apply)		
A15.	Mounting		
71231			
	Dismounting Civiling forward		
	Cycling forward		
	Braking		
	Accelerating		
	Exiting/entering driveway/entrance		
	Attempting to overtake		
	Turning right		
	Turning left		
	Changing lanes		
	Taking avoidance action		
	Cycled through stop/yield		
	Cycling against the flow of traffic		
	Went to wrong side of road		
	Improper overtaking		
	Cycled through traffic signal		
	Failed to signal		

Lost control of bicycle				
Cycling in the dark with no illumination				
Cycling on the footpath				
Other (please specify)				
Please give a description of the collision, and the lead up to it.				
Who/what do you believe was a cause of this collision? (select more than one if required)				
You				
The other cyclist				
Road Object				
Road feature				
Lack of adequate Infrastructure				
Weather conditions				
Road surface conditions				
Bicycle mechanical factor				
Please specify Please specify				
Were you injured?				
\bigcirc_{Yes} $\Rightarrow_{Page 10}$				
O _{No}				

			Page 9
Q1.	What sex was	the driver	•
A1.	O _{Male}	the driver	;
71.			
	O _{Female}		
Q2.	What approxi	1	•
A2.		a)	0 - 4 years old
		b)	5 - 9 years old
		c)	10 - 14 years old
		d)	15 - 19 years old
		e)	20 - 24 years old
		f)	25 - 29 years old
		g)	30 - 34 years old
		h)	35 - 39 years old
		i)	40 - 44 years old
	\Rightarrow	j)	45 - 49 years old
	*	k)	50 - 54 years old
		I)	55 - 59 years old
		m)	60 - 64 years old
		n)	65 - 69 years old
		o)	70 - 74 years old
		p)	75 - 79 years old
		q)	80 - 84 years old
		r)	85 - 89 years old
		s)	90 - 94 years old
		t)	95 - 99 years old
Q3.	What type of		re they using?
A3.		a)	Motorbike
		b)	Motor scooter
		c)	Hatchback
		d)	Sports car
	$ \Leftrightarrow$	e)	Sedan/Saloon car
		f)	Sports Utility Vehicle (SUV) / Jeep
		g)	Van
		h)	Bus
		i)	Heavy Goods Vehicle (HGV)

		j) Other Goods Vehicle		
	Make, Model	& Year?		
Q4.	Were they familiar with the location where the collision occurred?			
A4.	O _{Yes}			
	O _{No}			
	O Unknown			
Q5.	What estimate	e speed were they travelling at?		
A5.	vviiat estimati	a) Stationary		
۸3.		b) 0-10 km/h		
		c) 10-20 km/h		
		d) 20-30 km/h		
	e) 30-40 km/h			
	f) 40-50 km/h			
	g) 50-60 km/h			
		h) 60-70 km/h		
		i) 70-80 km/h		
		j) 80-90 km/h k) 90-100 km/h		
		l) 100-110 km/h		
		m) 110-120 km/h		
Q6.	Were they usi	ng a mobile phone?		
A6.	O_{No}	•		
	O _{In-hand}			
	O _{To ear}			
	O _{Unknown}			
Q7.		e they were under the influence of alcohol at the time?		
A7.	O _{Yes}			
	O _{No}			
	Ounknown			
Q8.	Vehicle action	s leading up to the collision (select more than one if required)		
A8.	Stationary			
	Driving for			
	Braking			
	Accelerating			
	Speeding			
	I — `	tering driveway/entrance		
	Attempting to overtake			
	Turning right			
	Turning left			
	Changing lanes			
	Taking avoidance action			
	Drove through stop/yield			
	Driving against the flow of traffic			
	Went to the wrong side of the road			
		overtaking		
	Driving through traffic signal			
	Failed to signal			
	Lost control of vehicle			
	Opening door in the path of cyclists			
	Other (please specify)			
Q9.		description of the collision, and the lead up to it.		
A9.				
Q10.		you believe was a cause of this collision? (select more than one if required)		
A10.	∐ You			
	Driver			
	Road Obje	ect		

	Road feature			
	Lack of adequate Infrastructure			
	Weather conditions			
	Road surface conditions			
	Bicycle mechanical factor			
	Vehicle mechanical factor			
	Please specify Please specify			
Q11.	Were you injured?			
*				
A11.	\bigcirc_{Yes} $\Rightarrow_{Page 10}$			
	\bigcirc_{No} $\Rightarrow_{Page\ 11}$			
	Done 10			
Q1.	Page 10 Can you describe in detail the sequence of events of how you fell and came into contact with the			
QI.	object/vehicle and the ground?			
	for example: I was hit from the side by the vehicle, the bumper first came into contact with my right shin, I then			
	came off the bike and my right shoulder and face impacted the windscreen, I then rolled off to the side of the			
	car onto grass at the side of the road.			
A1.				
Q2.	Did you have any direct head impact?			
A2.	O _{Yes}			
	O_{No}			
	If yes, with what? please describe			
Q3.	Did you experience any memory loss of the details surrounding the collision?			
А3.	a) Not at all			
	b) A small degree c) A large degree			
	d) complete memory loss			
Q4.	Injuries sustained to the head			
A4.	Concussion			
	Bruising			
	Cuts			
	Fracture			
	None			
Q5.	Other injury? Please specify. Injuries sustained to the neck			
A5.	Whiplash			
7.5.	Bruising			
	Cuts			
	Fracture			
	L None I			
	Other injury? Please specify.			
Q6.	Injuries sustained to the torso			
A6.	☐ Bruising			
	Cuts			
	Rib fracture			
	Spine fracture			
	Organ damage			
	Internal bleeding			
	None			

Other injury? Please specify.

0-	Internation consists and as at		
Q7.	Injuries sustained to the arms		
A7.	Bruising		
	L Cuts		
	Upper arm fracture		
	Lower arm fracture		
	Hand/wrist fracture		
	None		
00	Other injury? Please specify.		
Q8. A8.	Injuries sustained to the legs		
Ao.	Bruising		
	Cuts		
	Upper leg fracture		
	Lower leg fracture		
	Foot/ankle fracture		
	None		
	Other injury? Please specify.		
Q9.	Total time spent in hospital (including initial and follow up vis	sits)?	
A9.			
	VIVIOLITIS 1 4 to 20		
	⇔ _{Days}		
Q10.	Did you have to take time out of work/school?		
	1. Work		
	2. School		
A10.	Δ		
	Months 1 to 30		
	Days		
Q11.	Were there any other physical, mental or financial conseque	nces due to the collision?	
A11.			
Q12.			
*	Was there a passenger on your bicycle?		
A12.	O _{Yes} ⇒	Page 12	
		Page 14	
	Page 11		
Q1.	Was there a passenger on your bicycle?		
*			
A1.		Page 12	
	$ O_{No} $	Page 14	
	Page 12		
Q1.	What sex was the passenger?		
A1.	O _{Male}		
	O _{Female}		
Q2.	What approximate age were they?		
A2.	a) 0 - 4 years old		
	b) 5 - 9 years old		
	c) 10 - 14 years old		
	d) 15 - 19 years old		
	e) 20 - 24 years old		
	f) 25 - 29 years old		
	g) 30 - 34 years old		

		h) 35 - 39 years old			
		i) 40 - 44 years old			
	j) 45 - 49 years old				
	k) 50 - 54 years old				
		l) 55 - 59 years old			
		m) 60 - 64 years old			
	n) 65 - 69 years old				
		o) 70 - 74 years old			
		p) 75 - 79 years old			
		q) 80 - 84 years old			
		r) 85 - 89 years old			
		s) 90 - 94 years old			
		t) 95 - 99 years old			
Q3.	What appro				
A3.	What approximate height were they? a) Unknown				
A3.		,			
		c) 3' 0" (91cm) to 3' 5" (104cm)			
		d) 3'6" (107cm) to 3' 11" (119cm)			
		e) 4'0" (122cm) to 4'5" (135cm)			
	\Diamond	f) 4' 6" (137cm) to 4' 11" (150cm)			
		g) 5'0" (152cm) to 5'5" (165cm)			
		h) 5' 6" (168cm) to 5' 11" (180cm)			
		i) 6' 0" (183cm) to 6' 5" (196cm)			
		j) 6' 6" (198cm) to 6' 11" (211cm)			
		k) 7' 0" (213cm) or more			
Q4.	What approximate weight were they?				
A4.		a) Unknown			
		b) Less than 6 stone (38kg)			
		c) 6 stone (38kg) to 7 stone (44kg)			
		d) 7 stone (44kg) to 8 stone (51kg)			
		e) 8 stone (51kg) to 9 stone (57kg)			
		f) 9 stone (57kg) to 10 stone (64kg)			
	\Diamond	g) 10 stone (64kg) to 11 stone (70kg)			
		h) 11 stone (70kg) to 12 stone (76kg)			
		i) 12 stone (76kg) to 13 stone (83kg)			
		j) 13 stone (83kg) to 14 stone (89kg)			
		k) 15 stone (89kg) to 16 stone (102kg)			
		I) 16 stone (102kg) or more			
OE	More they	vearing a helmet?			
Q5. A5.		vealing a nemiec:			
A5.	O _{Yes}				
	O _{No}				
	O Unknow	vn			
Q6. *		ssenger injured?			
A6.	O _{Yes} ⇒ _{Page 13}				
	O _{No} ⇒ _{Page 14}				
		-			

	Page 13			
Q1.	Can you describe in detail the sequence of events of how the passenger fell and came into contact with the			
	object/vehicle and the ground.			
A1.				
Q2.	Did they have any direct head impact?			
A2.	O_{Yes}			
	\bigcirc_{No}			
	If yes, with what? please describe			
Q3.	Injuries sustained to the head			
A3.	Concussion			

	☐ Bruising
	<u></u> Cuts
	Fracture
	None
	Other injury? Please specify.
Q4.	Injuries sustained to the neck
A4.	Whiplash
	Bruising
	Cuts
	Fracture
	None
	Other injury? Please specify.
Q5.	Injuries sustained to the torso
A5.	Bruising
	Cuts
	Rib fracture
	Spine fracture
	Organ damage
	Internal bleeding
	None
0.0	Other injury? Please specify.
Q6. A6.	Injuries sustained to the arms
Ab.	☐ Bruising
	Cuts
	Upper arm fracture
	Lower arm fracture
	Hand/wrist fracture
	None
	Other injury? Please specify.
Q7.	Injuries sustained to the legs
A7.	Bruising
	Cuts
	Upper leg fracture
	Lower leg fracture
	Foot/ankle fracture
	None
	Other injury? Please specify.
Q8.	Total time spent in hospital (including initial and follow up visits)?
A8.	♦ Months
	1 to 30
	Days
Q9.	Did they have to take time out of work/school?
	3. Work 4. School
A9.	Δ
7.5.	Months 1 to 30
	Days
Q10.	Were there any other physical, mental or financial consequences due to the collision?
A10.	
⇒Page	. 14
. 480	

Page 14	

Q1.	Please follow the instructions below to find the location of your collision:			
	Click on this link: Google Maps and navigate to the exact location of your collision and click/hold your finger down on the location. App: Once you have selected the location, if you are using an the google maps app you will now see the latitude and longitude coordinate values in the search bar above. copy and paste these into the text box below.			
Browser: Once you have selected the location, if you are using an internet browser, simply copy and p the text box below.				
A1.	the text box below.			
Q2.	Have you been involved in any of these 'near miss' incidents in the past 6 months? If so, how scary were they?			
	Note: A 'near miss' is defined as an incident where no collision occurred, but there was a danger of one occurring			
	 19. Pedestrian stepping out into your path 20. A pothole or road debris in your path 21. A left-turning vehicle driving across your path 22. A vehicle pulling out of a driveway or entering at a junction across your path 23. Another cyclist turning into your path 24. A vehicle blocking the Advanced Stop Line at traffic lights intended for only cyclists 25. A bus crossing your path to enter a bus stop in a shared bicycle and bus lane 26. A stopped or parked vehicle in your path 27. An occupant of a stopped or parked vehicle opening a door in your path 28. A car passing you too closely 29. A van passing you too closely 30. A bus passing you too closely 31. A goods vehicle passing you too closely 32. A cyclist passing you too closely 33. Bicycle wheel caught in Luas tracks 34. Bicycle wheel sliding on Luas tracks 			
	35. Bicycle wheel slipping on manhole 36. Bicycle wheel slipping on road markings			
A2.	♦ Yes/No c) Yes d) No			
	d) Not at all scary e) Slightly scary f) Very scary			
	Other (please specify)			
Q3.	How many other collisions have you been in since the 1st of January 2013? and how severe were your injuries?			
	 Collisions with no injuries Collisions with minor injuries (cuts/bruises - does not require an overnight stay in hospital) Collisions with serious injuries (any injury that does require an overnight stay in hospital) 			
A3.	a) 0 b) 1 c) 2 d) 3 e) 4 f) 5 g) 6 h) 7 i) 8 j) 9 k) 10			

	m	12	
	n)	13	
	o)	14	
	p)	15	
	q)	16	
	r)	17	
	s)	18	
	t)	19	
	u)	20	
	v)	more than 20	
Q4.	Would you like to provide information	on on a another co	llision you were involved in while cycling on a road in
*	the Republic of Ireland since January	1st 2013?	
A4.	O_{Yes}		Page 5
	O_{No}		⇒ Page 15
NOTE: 0	On loops 2 and 3 Q2 and Q3 are remov	ed, and on loop 4	Q4 is removed and the respondent enters page 15.

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	Congratulations. You've made it! Thank you for taking part.			
Q1.	Please enter your email address below if you would like to be entered into the draw for a number of €100 one-for-all vouchers.			
A1.				
Q2.	Please enter any comments on your survey responses or suggestions you feel are important to improving cycling safety in Ireland.			
A2.				
Q3.	Would you be willing to be contacted by email for follow-up surveys? You would be contacted only for the			
	purpose of this research into cyclist safety.			
А3.	O_Yes			
	O_{No}			
Q4.	Would you use a mobile phone app to report collisions you have been in while cycling?			
A4.	O_{Yes}			
	\bigcirc_{No}			
\Rightarrow_{END}				